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| 1 | BRS | 35 | template with applet with servlet | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 09:34 | | | 0 |
| 2 | BRS | 35 | (template with applet with servlet) and (template with applet with servlet) and processor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 09:27 | | | 0 |
| 3 | BRS | 35 | (template with applet with servlet) and html | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 09:27 | | | 0 |
| 4 | BRS | 6 | (template with applet with servlet) and embed\$4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 09:28 | | | 0 |
| 5 | BRS | 32634 | "test data" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 12:27 | | | 0 |
| 6 | BRS | 14 | (template with applet with servlet) and test | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:50 | | | 0 |
| 7 | BRS | 11 | ((template with applet with servlet) and test) and strip\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:52 | | | 0 |
| 8 | BRS | 370 | "web design" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:52 | | | 0 |
| 9 | BRS | 206 | strip\$5 with "test data" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:53 | | | 0 |
| 10 | BRS | 0 | "web design" same (strip\$5 with "test data") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:53 | | | 0 |
| 11 | BRS | 0 | "web design" and (strip\$5 with "test data") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:54 | | | 0 |
| 12 | BRS | 0 | (strip\$5 with "test data") with HTML | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:54 | | | 0 |
| 13 | BRS | 0 | (strip\$5 with "test data") same HTML | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:54 | | | 0 |
| 14 | BRS | 0 | (strip\$5 with "test data") and HTML | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:54 | | | 0 |
| 15 | BRS | 2 | (strip\$5 with "test data") and web | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:59 | | | 0 |
| 16 | BRS | 73 | stripping near8 template | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:59 | | | 0 |
| 17 | BRS | 0 | (stripping near8 template) with "test data" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:59 | | | 0 |
| 18 | BRS | 0 | (stripping near8 template) and "test data" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:59 | | | 0 |
| 19 | BRS | 69 | "test data" with template | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 10:59 | | | 0 |
| 20 | BRS | 0 | ("test data" with template) same (strip\$5 or remov\$4) or remov\$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 11:00 | | | 0 |
| 21 | BRS | 33 | ("test data" with template) and (strip\$5 or remov\$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 12:26 | | | 0 |
| 22 | BRS | 299 | "HTML template" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 12:26 | | | 0 |
| 23 | BRS | 32634 | "test data" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 12:27 | | | 0 |
| 24 | BRS | 7 | "HTML template" and "test data" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 12:44 | | | 0 |
| 25 | BRS | 483 | "test page" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 12:44 | | | 0 |

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| 26 BRS | 1 | "HTML template" and "test page" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/09/30 12:44 | | | 0 |


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1 Catching the boat with Strudel: experiences with a Web-site management system

Mary Fernández, Daniela Florescu, Jaewoo Kang, Alon Levy, Dan Suciu

June 1998 **ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data**, Volume 27 Issue 2Full text available: [pdf\(1.81 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Strudel system applies concepts from database management systems to the process of building Web sites. Strudel's key idea is separating the management of the site's data, the creation and management of the site's structure, and the visual presentation of the site's pages. First, the site builder creates a uniform model of all data available at the site. Second, the builder uses this model to declaratively define the Web site's structure by applying a "site-definition query" ...

2 The Purdue University network-computing hubs: running unmodified simulation tools via the WWW

Nirav H. Kapadia, José A. B. Fortes, Mark S. Lundstrom

January 2000 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 10 Issue 1Full text available: [pdf\(110.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the Web interface management infrastructure of a functioning network-computing system (PUNCH) that allows users to run unmodified simulation packages at geographically dispersed sites. The system currently contains more than fifty university and commercial simulation tools, and has been used to carry out more than two hundred thousand simulations via the World Wide Web. Dynamically-constructed virtual URLs allow the Web interface management infrastructure to support the ...

Keywords: Internet computing, network-computing, web-based simulation

3 The <bigwig> project

Claus Brabrand, Anders Møller, Michael I. Schwartzbach

May 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 2Full text available: [pdf\(586.33 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present the results of the <bigwig> project, which aims to design and implement a high-level domain-specific language for programming interactive Web services.

A fundamental aspect of the development of the World Wide Web during the last decade is the gradual change from static to dynamic generation of Web pages. Generating Web pages dynamically in dialog with the client has the advantage of providing up-to-date and tailor-

made information. The development of systems ...

Keywords: Interactive Web services, program analysis

4 Declarative specification of Web sites with S

Mary Fernández, Daniela Florescu, Alon Levy, Dan Suciu

March 2000 **The VLDB Journal — The International Journal on Very Large Data Bases,**

Volume 9 Issue 1

Full text available:  pdf(188.65 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

S is a system for implementing *data-intensive* Web sites, which typically integrate information from multiple data sources and have complex structure. S's key idea is separating the management of a Web site's data, the specification of its content and structure, and the visual representation of its pages. S provides a declarative *query language* for specifying a site's content and structure, and a simple *template language* for specifying a site's HTML representation. This paper ...

Keywords: Declarative query languages, Web-site management

5 Research sessions: XML I: QURSED: querying and reporting semistructured data

Yannis Papakonstantinou, Michalis Petropoulos, Vasilis Vassalos

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data**

Full text available:  pdf(1.54 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

QURSED enables the development of web-based query forms and reports (QFRs) that query and report semistructured XML data, i.e., data that are characterized by nesting, irregularities and structural variance. The query aspects of a QFR are captured by its query set specification, which formally encodes multiple parameterized condition fragments and can describe large numbers of queries. The run-time component of QURSED produces XQuery-compliant queries by synthesizing fragments from the query set ...

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1 [The <bigwig> project](#)

Claus Brabrand, Anders Møller, Michael I. Schwartzbach

May 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 2

Full text available: [pdf\(586.33 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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A fundamental aspect of the development of the World Wide Web during the last decade is the gradual change from static to dynamic generation of Web pages. Generating Web pages dynamically in dialog with the client has the advantage of providing up-to-date and tailor-made information. The development of systems ...

Keywords: Interactive Web services, program analysis



2 [Integrating testing techniques through process programming](#)

D. Richardson, S. Aha, L. Osterweil

November 1989 **ACM SIGSOFT Software Engineering Notes , Proceedings of the ACM SIGSOFT '89 third symposium on Software testing, analysis, and verification**, Volume 14 Issue 8

Full text available: [pdf\(1.17 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Integration of multiple testing techniques is required to demonstrate high quality of software. Technique integration has four basic goals: reduced development costs, incremental testing capabilities, extensive error detection, and cost-effective application. We are experimenting with the use of process programming as a mechanism for integrating testing techniques. Having set out to develop a process that provides adequate coverage and comprehensive fault detection, we proposed synergistic ...



3 [Non-scan design-for-testability of RT-level data paths](#)

Sujit Dey, Miodrag Potkonjak

November 1994 **Proceedings of the 1994 IEEE/ACM international conference on Computer-aided design**

Full text available: [pdf\(701.78 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents a non-scan design-for-testability technique applicable to register-transfer (RT) level data path circuits, which are usually very hard-to-test due to the presence of complex loop structures. We develop a new testability measure, and utilize the

RT-level structure of the data path, for cost-effective re-design of the circuit to make it easily testable, without having to either scan any flip-flop or breakloops directly. The non-scan DFT technique was appli ...

4 An experimental comparison of the effectiveness of the all-uses and all-edges adequacy criteria

Phyllis G. Frankl, Stewart N. Weiss

September 1991 **Proceedings of the symposium on Testing, analysis, and verification**

Full text available:  pdf(1.07 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

5 A web based environment for learning to program

Nghi Truong, Peter Bancroft, Paul Roe

February 2003 **Proceedings of the twenty-sixth Australasian computer science conference on Conference in research and practice in information technology - Volume 16**

Full text available:  pdf(1.51 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The purpose of this paper is to describe in detail the current development status of the innovative Environment for Learning to Program (ELP) which provides an interactive web-based environment for teaching programming to the first year Information Technology students at Queensland University of Technology (QUT). ELP allows students to program at the early stages of their course without the need to familiarize themselves with a program development environment. Most importantly, it eliminates all ...

Keywords: Java, XML, computer programming, online learning, tutoring system, web

6 Test case generation by means of learning techniques

F. Bergadano

December 1993 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 1st ACM SIGSOFT symposium on Foundations of software engineering**, Volume 18 Issue 5

Full text available:  pdf(1.23 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

7 Rethinking the taxonomy of fault detection techniques

Michael Young, Richard N. Taylor

May 1989 **Proceedings of the 11th international conference on Software engineering**

Full text available:  pdf(1.29 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: dynamic analysis, fault detection, hybrid analysis techniques, static analysis

8 TEAM: a support environment for testing, evaluation, and analysis

Lori A. Clarke, Debra J. Richardson, Steven J. Zeil

January 1989 **ACM SIGPLAN Notices , Proceedings of the third ACM SIGSOFT/SIGPLAN software engineering symposium on Practical software development environments**, Volume 24 Issue 2

Full text available:  pdf(1.39 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Current research indicates that software reliability needs to be achieved through the careful integration of a number of diverse testing and analysis techniques. To address this need, the TEAM environment has been designed to support the integration of and experimentation with an ever growing number of software testing and analysis tools. To achieve this

flexibility, we exploit three design principles: component technology so that common underlying functionality is recognized; generic reali ...

9 RoboProf and an introductory computer programming course

Charlie Daly

June 1999 **ACM SIGCSE Bulletin , Proceedings of the 4th annual SIGCSE/SIGCUE ITiCSE conference on Innovation and technology in computer science education**, Volume 31 Issue 3

Full text available:  pdf(762.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

RoboProf is an online teaching system. It is based on WWW technology and can easily incorporate WWW-compatible media such as graphics, audio and video. It is structured as a self-paced course book: RoboProf presents the student with information on a closely-defined topic and then marks a set of exercises covering that material. When the students results are satisfactory, a new topic is introduced. The idea behind RoboProf is to increase motivation by borrowing ideas from certain games. These idea ...

10 Exploiting hardware sharing in high-level synthesis for partial scan optimization

Sujit Dey, Miodrag Potkonjak, Rabindra K. Roy

November 1993 **Proceedings of the 1993 IEEE/ACM international conference on Computer-aided design**

Full text available:  pdf(730.22 KB) Additional Information: [full citation](#), [references](#), [citations](#)

11 Information retrieval: Knowledge-based extraction of named entities

Jamie Callan, Teruko Mitamura

November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

Full text available:  pdf(124.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The usual approach to named-entity detection is to learn extraction rules that rely on linguistic, syntactic, or document format patterns that are consistent across a set of documents. However, when there is no consistency among documents, it may be more effective to learn document-specific extraction rules. This paper presents a knowledge-based approach to learning rules for named-entity extraction. Document-specific extraction rules are created using a generate-and-test paradigm and a database ...

Keywords: named-entity extraction

12 Data integration and sharing II: Scientific data repositories: designing for a moving target

Etzard Stolte, Christoph von Praun, Gustavo Alonso, Thomas Gross

June 2003 **Proceedings of the 2003 ACM SIGMOD international conference on Management of data**

Full text available:  pdf(739.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Managing scientific data warehouses requires constant adaptations to cope with changes in processing algorithms, computing environments, database schemas, and usage patterns. We have faced this challenge in the RHESSI Experimental Data Center (HEDC), a datacenter for the RHESSI NASA spacecraft. In this paper we describe our experience in developing HEDC and discuss in detail the design choices made. To successfully accommodate typical adaptations encountered in scientific data management systems ...

13 End to End Performance Modeling of Web Sewer Architectures

R. Hadharan, W. K. Ehrlich, D. Cura, P. K. Reeser

September 2000 **ACM SIGMETRICS Performance Evaluation Review**, Volume 28 Issue 2

Full text available:  pdf(1.16 MB) Additional Information: [full citation](#), [abstract](#)

Web server performance in a distributed Object-Oriented (OO) environment is a complex interplay between a variety of factors (e.g., hardware platform, threading model, object scope model, server operating system, network bandwidth, disk file size, caching). In this paper, we present a model-based approach to Web Server performance evaluation in terms of an end-to-end queueing model implemented in a simulation tool. We have applied this model to Active Server Page (ASP) and Common Object Model (C ...

14 Microarchitectural synthesis of VLSI designs with high test concurrency 

Ian G. Harris, Alex Orailoglu

June 1994 **Proceedings of the 31st annual conference on Design automation conference**

Full text available:  pdf(187.13 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 The evolution of the DARWIN system 

Joan D. Walton, Robert E. Filman, David J. Korsmeyer

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing**

Full text available:  pdf(897.54 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: DARWIN, WWW applications, collaborative engineering, distributed analysis, wind-tunnel

16 Experience: Development of an electronic commerce portal system using a specific software development process 

Volker Gruhn, Martin Mocker, Lothar Schöpe

February 2002 **Proceedings of the Fortieth International Conference on Tools Pacific: Objects for internet, mobile and embedded applications - Volume 10**

Full text available:  pdf(979.88 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The development of electronic commerce (EC) systems is subject to different conditions than that of conventional software systems. Consequently, software development processes used for conventional systems to date need to be adapted to these new conditions. This includes the introduction of new activities to the development process and the removal of others. In addition, the roles involved in the development process, their tasks, qualifications and the software tools used by them, are different ...

Keywords: application integration, component based development, distributed architecture design, electronic commerce, software development process

17 SIESTA: a multi-facet scan design system 

Sridhar Narayanan, Charles Njinda, Rajesh Gupta, Melvin Breuer

November 1992 **Proceedings of the conference on European Design Automation**

Full text available:  pdf(734.20 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

18 The social life of engineering authorizations 

William A. Stubblefield, Karen S. Rogers

August 2000 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques**

Full text available:  pdf(633.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We may view documents, not only as containers for information, but also as active participants in organizing and sustaining communities. This paper discusses our experiences

in designing a web-based tool for writing and managing engineering authorizations, and the social perspectives influence on our understanding of the problem and the design of our system. It presents observations based on our fieldwork with users, and the evaluation of a set of prototype systems. It shows how these obs ...

Keywords: community, design ethnography, documents, metaphor, system design

19 Module test case generation

D. Hoffman, C. Brealey

November 1989 **ACM SIGSOFT Software Engineering Notes , Proceedings of the ACM SIGSOFT '89 third symposium on Software testing, analysis, and verification**, Volume 14 Issue 8

Full text available:  pdf(677.71 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

While considerable attention has been given to techniques for developing complex systems as collections of reliable and reusable modules, little is known about testing these modules. In the literature, the special problems of module testing have been largely ignored and few tools or techniques are available to the practicing tester. Without effective testing methods, the development and maintenance of reliable and reusable modules is difficult indeed. We describe an approach for ...

20 Map adaptation for users of mobile systems

Dan Chalmers, Morris Sloman, Naranker Dulay

April 2001 **Proceedings of the tenth international conference on World Wide Web**

Full text available:  pdf(298.59 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: adaptive application, quality of service

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21 [Telemachus an effective electronic marker of students' programming assignments \(poster session\)](#)

M. Satrazemi, V. Dajdielis

July 2000 **ACM SIGCSE Bulletin , Proceedings of the 5th annual SIGCSE/SIGCUE ITiCSEconference on Innovation and technology in computer science education**, Volume 32 Issue 3

Full text available: [pdf\(220.58 KB\)](#) Additional Information: [full citation](#), [index terms](#)



22 [Configuring multiple scan chains for minimum test time](#)

Sridhar Narayanan, Rajesh Gupta, Melvin Breuer

November 1992 **Proceedings of the 1992 IEEE/ACM international conference on Computer-aided design**

Full text available: [pdf\(638.27 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



23 [Arc: an OAI service provider for cross-archive searching](#)

Xiaoming Liu, Kurt Maly, Mohammad Zubair, Michael L. Nelson

January 2001 **Proceedings of the first ACM/IEEE-CS joint conference on Digital libraries**

Full text available: [pdf\(134.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



The usefulness of the many on-line journals and scientific digital libraries that exist today is limited by the lack of a service that can federate them through a unified interface. The Open Archive Initiative (OAI) is one major effort to address technical interoperability among distributed archives. The objective of OAI is to develop a framework to facilitate the discovery of content in distributed archives. In this paper, we describe our experience and lessons learned in building Arc, t ...

Keywords: digital library, open archive initiative

24 [Tools and approaches for developing data-intensive Web applications: a survey](#)

Piero Fraternali

September 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 3

Full text available: [pdf\(524.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



The exponential growth and capillary diffusion of the Web are nurturing a novel generation of

applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and character ...

Keywords: HTML, Intranet, WWW, application, development

25 m-links: An infrastructure for very small internet devices

Bill N. Schilit, Jonathan Trevor, David M. Hilbert, Tzu Khiau Koh

July 2001 **Proceedings of the 7th annual international conference on Mobile computing and networking**

Full text available:  pdf(680.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

In this paper we describe the Mobile Link (m-Links) infrastructure for utilizing existing World Wide Web content and services on wireless phones and other very small Internet terminals. Very small devices, typically with 3-20 lines of text, provide portability and other functionality while sacrificing usability as Internet terminals. In order to provide access on such limited hardware we propose a small device web navigation model that is more appropriate than the desktop computer's web brows ...

Keywords: middleware, proxy, web phones, wireless, wireless web

26 Semi-proving: an integrated method based on global symbolic evaluation and metamorphic testing

T. Y. Chen, T. H. Tse, Zhiqian Zhou

July 2002 **ACM SIGSOFT Software Engineering Notes , Proceedings of the international symposium on Software testing and analysis**, Volume 27 Issue 4

Full text available:  pdf(112.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a semi-proving method for verifying necessary conditions for program correctness. Our approach is based on the integration of global symbolic evaluation and metamorphic testing. It is relatively easier than conventional program proving, and helps to alleviate the problem that software testing cannot show the absence of faults.

Keywords: global symbolic evaluation, metamorphic testing, program proving, program testing, semi-proving, symbolic execution

27 Achieving web accessibility

Brian Sierkowski

November 2002 **Proceeding of the 30th annual ACM SIGUCCS fall conference on User services conference**

Full text available:  pdf(203.24 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The World Wide Web has long outgrown its novelty to become a necessity in academics. Internet access has enabled numerous activities-registration, research, and distance learning, to name a few-to reach more people than ever. Federal laws require state schools to provide accessible web sites for persons with disabilities-yet many fail to, perhaps due to webmasters' ignorance and misconceptions that enabling access is expensive and time-consuming. Public schools violate this obligation when they ...

Keywords: ADA, accessibility, disabilities, web design, web development

28

Papers: On the move: From desktop to phonetop: a UI for web interaction on very small devices

Jonathan Trevor, David M. Hilbert, Bill N. Schilit, Tzu Khiau Koh
November 2001 **Proceedings of the 14th annual ACM symposium on User interface software and technology**

Full text available:  pdf(1.34 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

While it is generally accepted that new Internet terminals should leverage the installed base of Web content and services, the differences between desktop computers and very small devices makes this challenging. Indeed, the browser interaction model has evolved on desktop computers having a unique combination of user interface (large display, keyboard, pointing device), hardware, and networking capabilities. In contrast, Internet enabled cell phones, typically with 3-10 lines of text, sacrifice ...

Keywords: PDA, Web browsing, transcoding, transducing, web phone, wireless web

29 A decision support system for tuning Web servers in distributed object oriented network architectures 

R. D. van der Mei, W. K. Ehrlich, P. K. Reeser, J. P. Francisco
March 2000 **ACM SIGMETRICS Performance Evaluation Review**, Volume 27 Issue 4

Full text available:  pdf(648.79 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Web technologies are currently being employed to provide end user interfaces in diverse computing environments. The core element of these Web solutions is a Web server that is based on the Hypertext Transfer Protocol (HTTP) running over TCP/IP. Web servers are required to respond to millions of transaction requests per day at an "acceptable" Quality of Service (QoS) level with respect to the end-to-end response time and the server throughput. In many applications, the server performs significant ...

Keywords: Decision Support System, HTTP, Web server, World Wide Web, architecture, computing, configuration tuning, distributed, httpd, object-oriented, performance

30 Comparing and combining software defect detection techniques: a replicated empirical study 

Murray Wood, Marc Roper, Andrew Brooks, James Miller
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